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FIG. 1 (PRIOR ART)

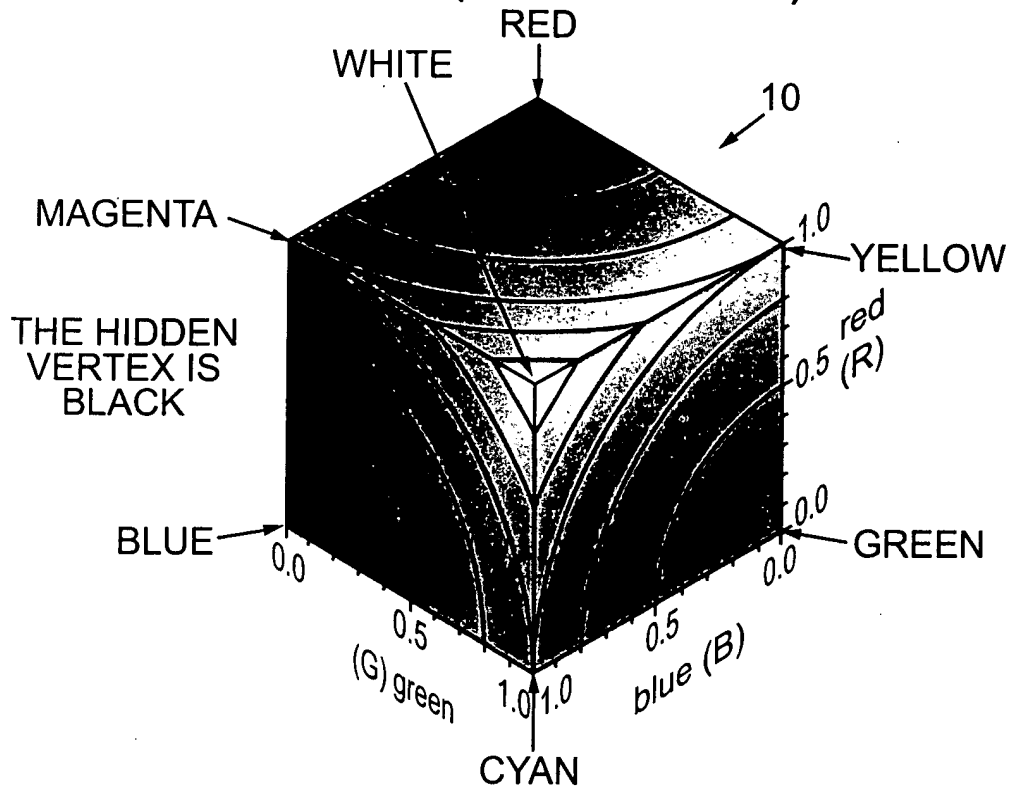


FIG. 2

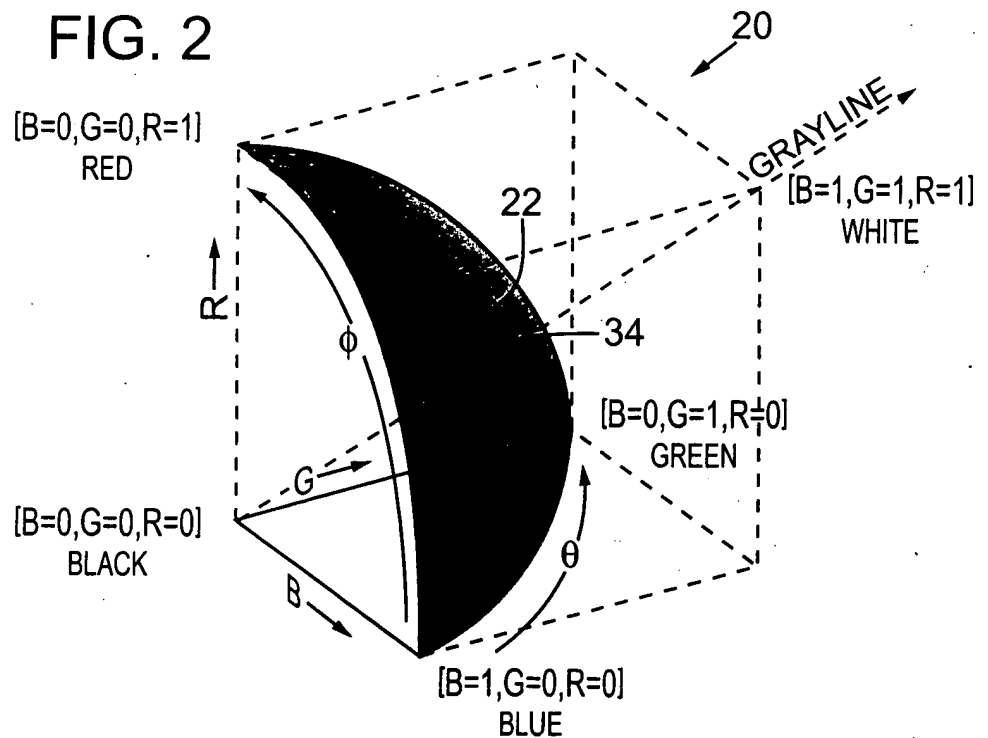


FIG. 3A

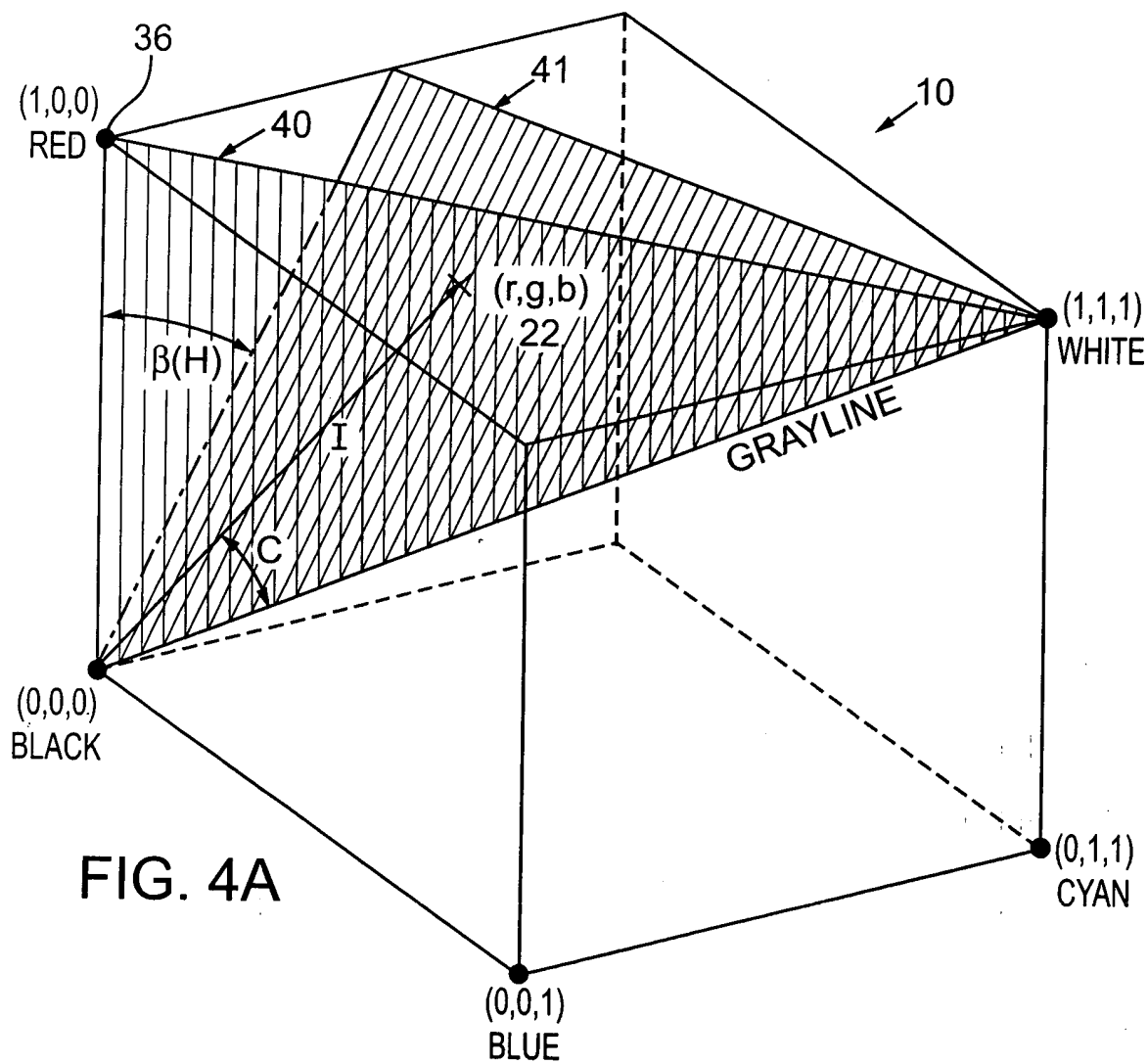
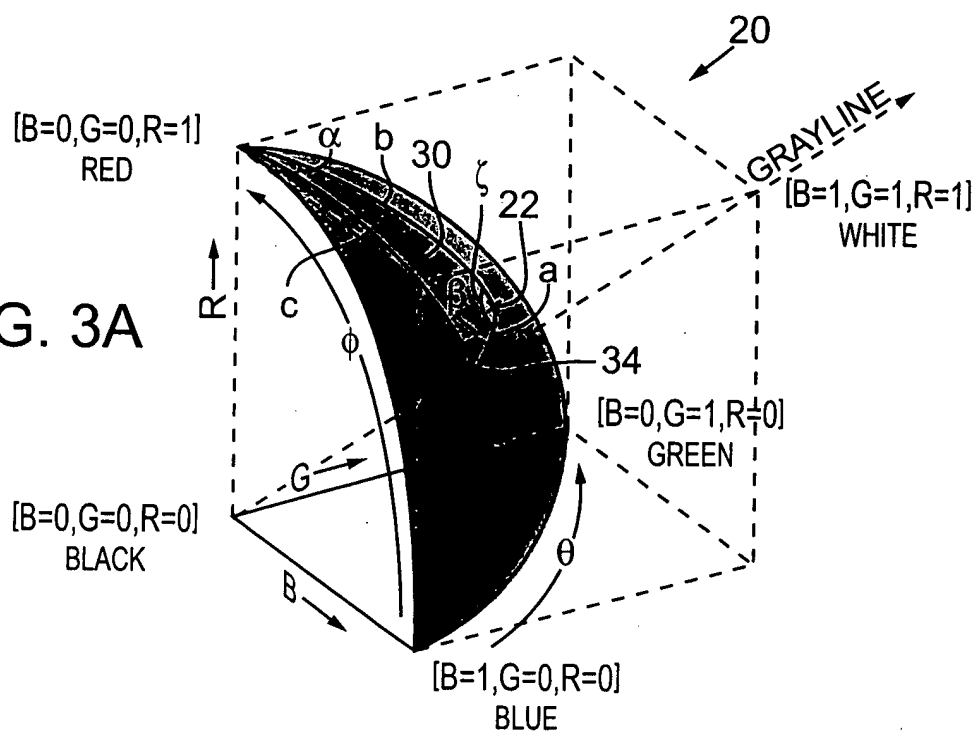


FIG. 3B

The diagram shows a shaded triangular region in a 3D coordinate system. The vertices are labeled with reference numbers: 36 at the top, 30 at the bottom left, and 22 at the bottom right. The edges are labeled with lowercase letters: 'c' for the edge between 30 and 36, 'b' for the edge between 36 and 22, and 'a' for the edge between 22 and 30. A dashed line from the origin (labeled 'Origin') passes through the triangle, and an arrow labeled 'Intensity=I' points away from the origin. The 'Gray point' is located at the origin, with coordinates $[R=G=B=I/\sqrt{3}]$ and $[\theta=\pi/4, \phi=\sin^{-1}(1/\sqrt{3}), I]$. The 'Color of interest' is located at the vertex 22, with coordinates $[\theta=\pi/4+a, \phi=\pi/2-b/I, I]$. The angle between the dashed line from the origin and the edge 'a' is labeled α .

Pure Red
 $[R=1, G=0, B=0]$
 $[\theta=\pi/4, \phi=\pi/2, I]$

Gray point
 $[R=G=B=I/\sqrt{3}]$
 $[\theta=\pi/4, \phi=\sin^{-1}(1/\sqrt{3}), I]$

Color of interest
 $[\theta=\pi/4+a, \phi=\pi/2-b/I, I]$

Intensity=I

Origin

α

36

30

22

c

b

a

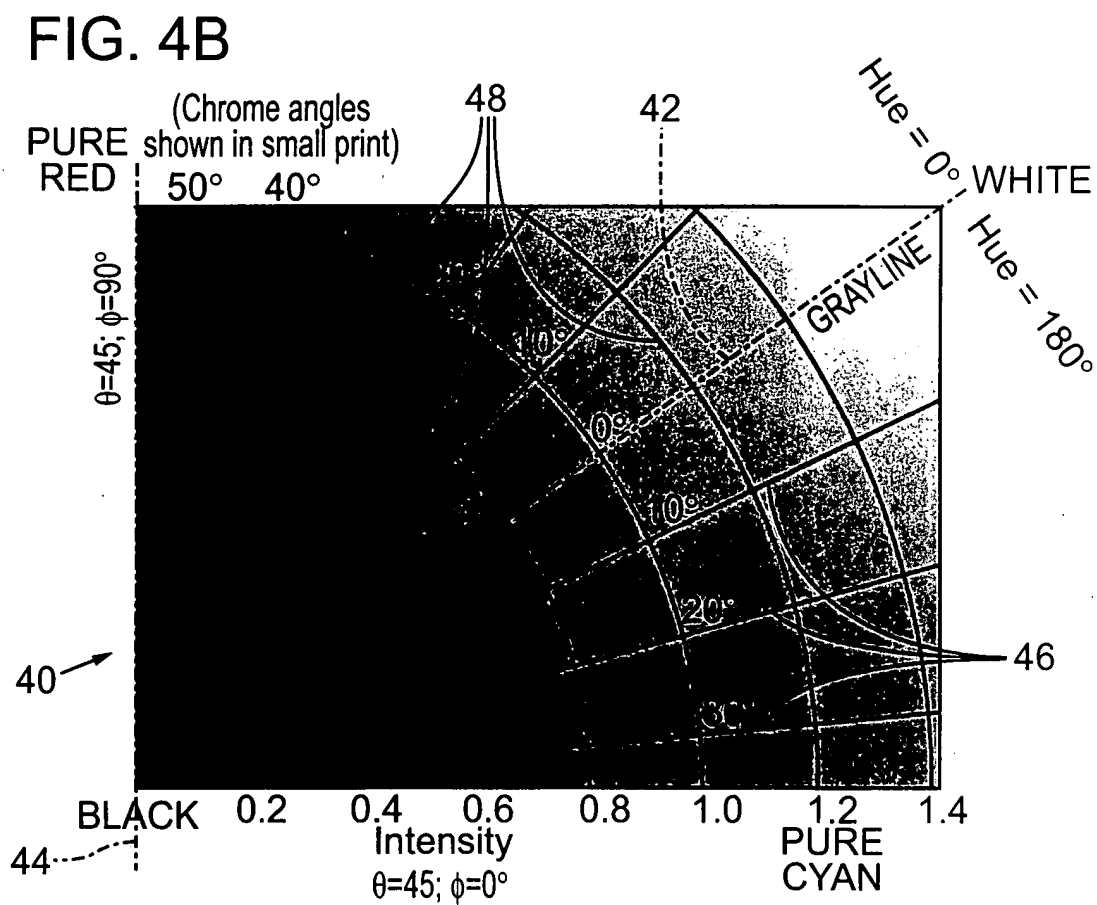


FIG. 5A

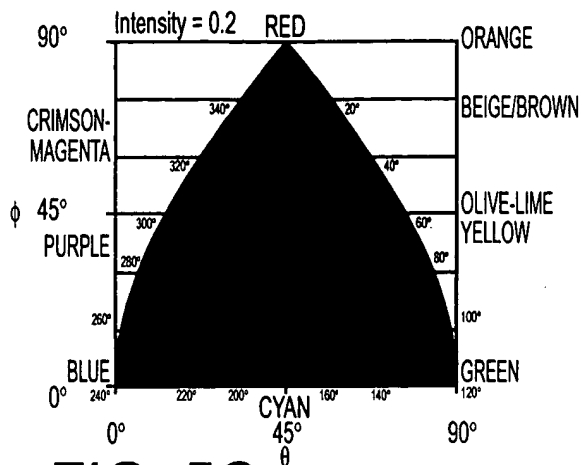


FIG. 5B

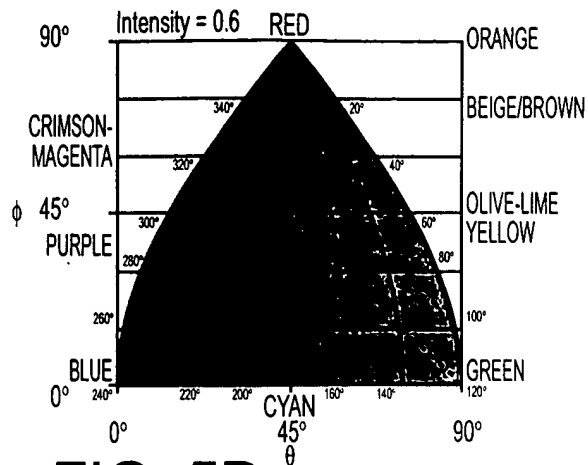


FIG. 5C

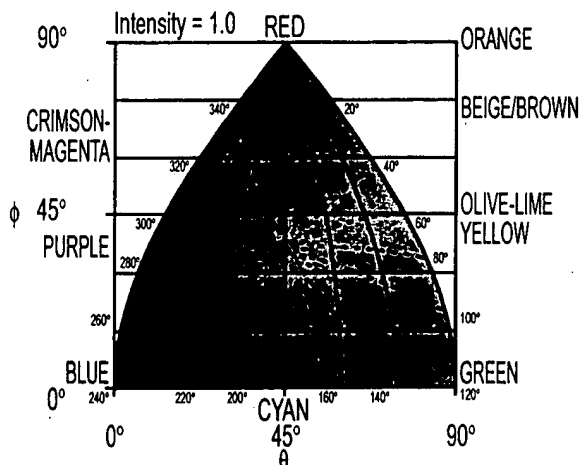


FIG. 5D

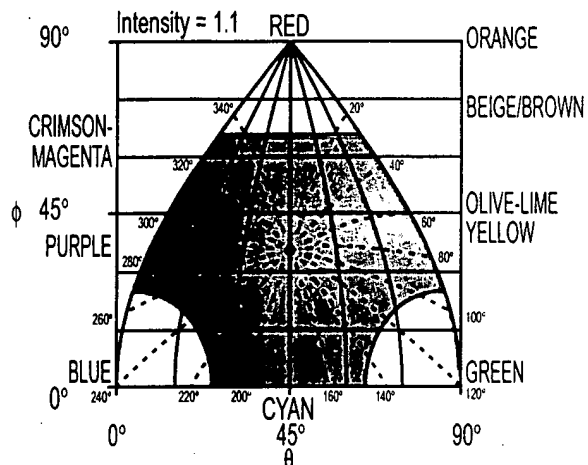


FIG. 5E

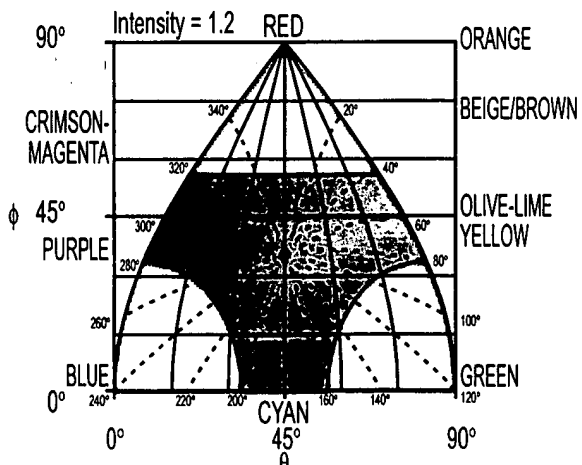


FIG. 5F

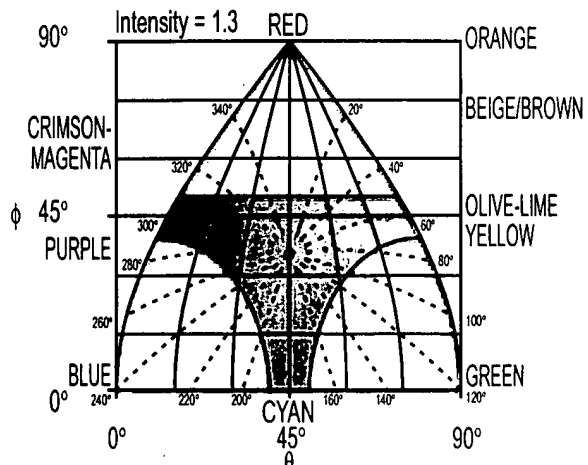


FIG. 6A

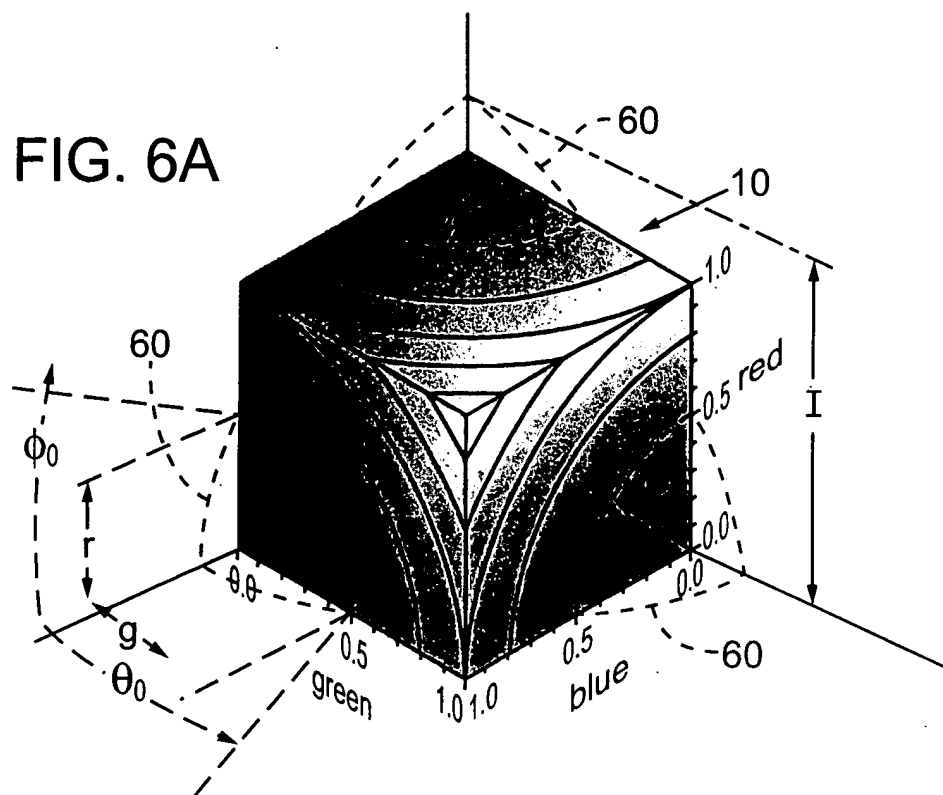


FIG. 6B

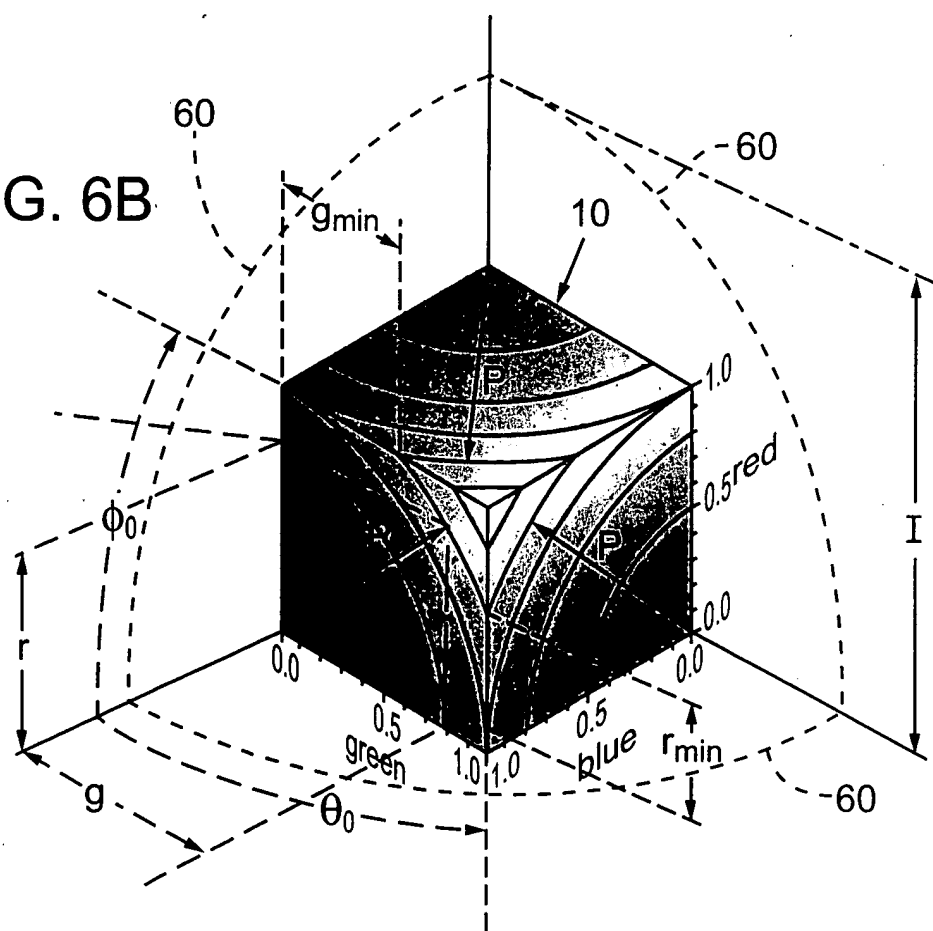


FIG. 7A

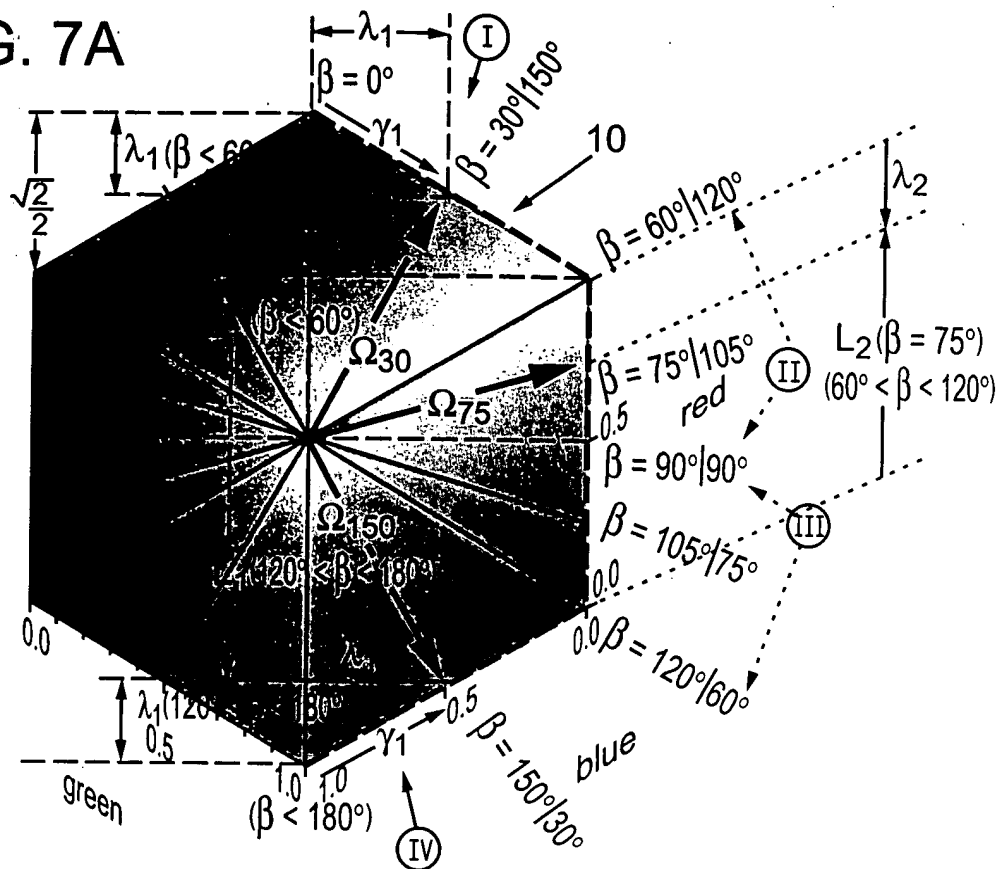


FIG. 7B

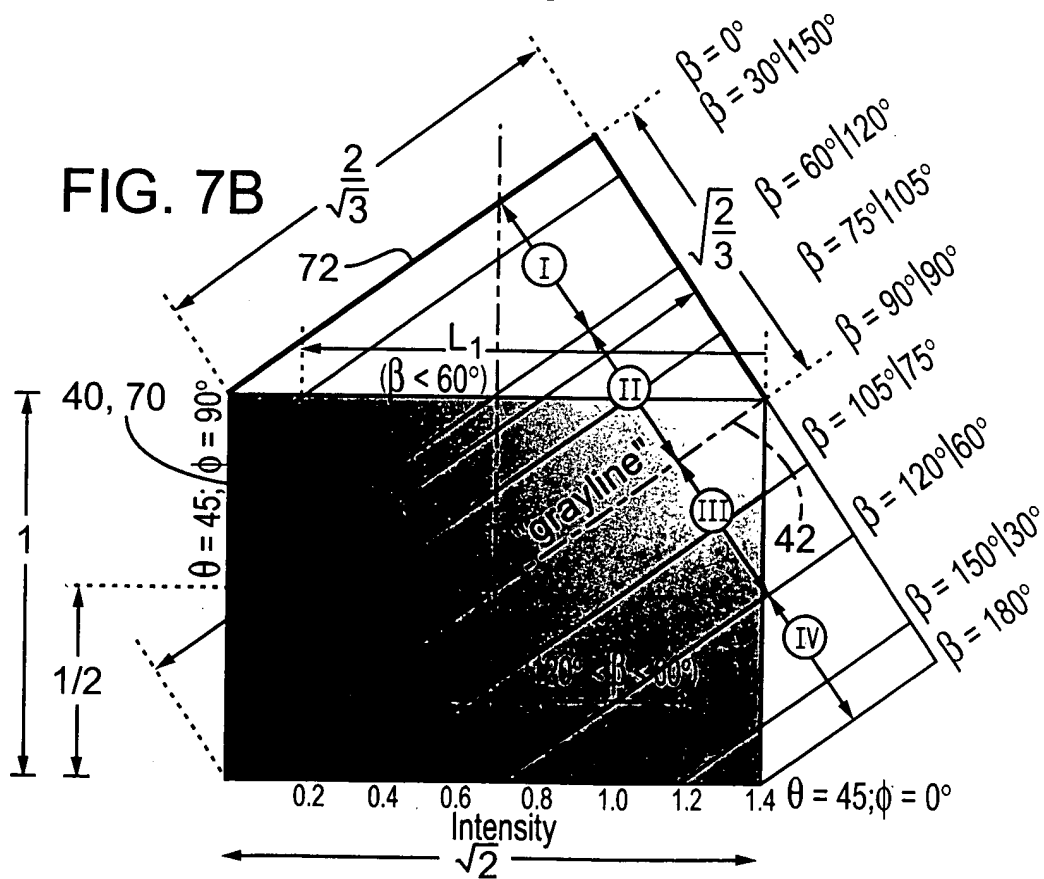


FIG. 8

